

Claims

[c1] What is claimed is:

1.A complex peripheral module applied to a computer apparatus, the computer apparatus comprising a housing, and a main board positioned inside the housing, the housing forming an assembly space having a standard height, the complex peripheral module comprising:
a plurality of peripheral devices, each peripheral device having a thickness less than the height of the assembly space;
a frame having a plurality of side walls connecting to each other, the plurality of side walls defining a containing chamber matching the assembly space such that the plurality of peripheral devices are contained in the containing chamber, and the frame and the housing being assembled and fixed in the assembly space; and
a signal transferring device mounted in the frame for transferring signals from the peripheral devices to the main board;
wherein the plurality of peripheral devices are simultaneously positioned in the assembly space by the frame and the signal transferring device.

- [c2] 2.The complex peripheral module of claim 1 further comprising a plurality of connecting components such that the peripheral devices are mounted on the side walls.
- [c3] 3.The complex peripheral module of claim 2 wherein each connecting component comprises an opening on the side wall of the frame, a threaded hole on a wall of the peripheral device, and a screw passing through the opening and screwed into the threaded hole so that the peripheral device and the frame are fixed together.
- [c4] 4.The complex peripheral module of claim 2 wherein each connecting component comprises:
 - an orientation hole and a non-circular hole in the side wall of the frame;
 - a hole on a wall of the peripheral device corresponding to the orientation hole; and
 - a fastener having a protrusion and a rotatable bolt; wherein the protrusion fits into the orientation hole of the frame and the hole of the peripheral device, and the bolt fits into the non-circular hole and can be rotated such that the peripheral device and the frame are assembled.
- [c5] 5.The complex peripheral module of claim 1 wherein the signal transferring device further comprises a circuit

board with a transferring circuit and a plurality of flexible flat cables electrically connected to the circuit board, the flexible flat cables being electrically connected to the peripheral devices and the main board at another end.

- [c6] The complex peripheral module of claim 1 wherein the peripheral devices comprises a floppy disc and an interface display.